

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/088,417A
Source: IFWJ6
Date Processed by STIC: 2/25/05

ENTERED



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,417A

DATE: 02/25/2005
 TIME: 10:21:29

Input Set : A:\seqlst.txt
 Output Set: N:\CRF4\02252005\J088417A.raw

4 <110> APPLICANT: Woolfson, Derek
 5 Washaw, John
 6 Pandya, Maya
 7 Colyer, John
 9 <120> TITLE OF INVENTION: PROTEIN STRUCTURES AND PROTEIN FIBRES
 12 <130> FILE REFERENCE: 000487.00012
 14 <140> CURRENT APPLICATION NUMBER: 10/088,417A
 C--> 15 <141> CURRENT FILING DATE: 2002-07-22
 17 <150> PRIOR APPLICATION NUMBER: PCT/GB00/03576
 18 <151> PRIOR FILING DATE: 2000-09-18
 20 <150> PRIOR APPLICATION NUMBER: GB9922013.9
 21 <151> PRIOR FILING DATE: 1999-09-17
 23 <160> NUMBER OF SEQ ID NOS: 21
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 28
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: synthetic peptides
 35 <400> SEQUENCE: 1
 36 Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln Glu Ile
 37 1 5 10 15
 38 Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln
 39 20 25
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 28
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: synthetic peptides
 49 <400> SEQUENCE: 2
 50 Lys Ile Arg Ala Leu Lys Ala Lys Asn Ala His Leu Lys Gln Glu Ile
 51 1 5 10 15
 52 Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
 53 20 25
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 28
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Artificial Sequence
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: synthetic peptides
 63 <400> SEQUENCE: 3

R. b

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/088,417A

DATE: 02/25/2005

TIME: 10:21:29

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

64 Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ala Leu Lys Gln Glu Ile
65 1 5 10 15
66 Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln
67 20 25
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 28
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: synthetic peptides
77 <400> SEQUENCE: 4
78 Lys Ile Arg Ala Leu Lys Trp Lys Asn Ala His Leu Lys Gln Glu Ile
79 1 5 10 15
80 Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
81 20 25
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 18
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: synthetic peptides
91 <400> SEQUENCE: 5
92 Tyr Gly Pro Gly Glu Ile Ala Ala Leu Glu Gln Glu Asn Ala Ala Leu
93 1 5 10 15
94 Glu Gln
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 28
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: synthetic peptides
105 <400> SEQUENCE: 6
106 Lys Ile Ala Ala Ile Lys Gln Lys Ile Ala Ala Leu Lys Gln Glu Ile
107 1 5 10 15
108 Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln
109 20 25
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 29
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: synthetic peptides
119 <400> SEQUENCE: 7
120 Lys Ile Ala Ala Leu Lys Gln Ile Cys Ile Ala Ala Leu Lys Gln Glu
121 1 5 10 15
122 Ile Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln
123 20 25
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 28

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,417A

DATE: 02/25/2005
TIME: 10:21:29

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: synthetic peptides
133 <400> SEQUENCE: 8
134 Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln Glu Ile
135 1 5 10 15
136 Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln
137 20 25
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 28
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: synthetic peptides
147 <400> SEQUENCE: 9
148 Lys Ile Ser Ala Leu Lys Trp Lys Asn Ala Ser Leu Lys Gln Glu Ile
149 1 5 10 15
150 Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
151 20 25
153 <210> SEQ ID NO: 10
154 <211> LENGTH: 28
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: synthetic peptides
161 <400> SEQUENCE: 10
162 Lys Ile Arg Ala Leu Lys Trp Lys Asn Ala His Leu Lys Gln Glu Ile
163 1 5 10 15
164 Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
165 20 25
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 29
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: synthetic peptides
175 <400> SEQUENCE: 11
176 Ile Cys Ile Arg Ala Leu Lys Ala Lys Asn Ala His Leu Lys Gln Glu
177 1 5 10 15
178 Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
179 20 25
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 29
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: synthetic peptides
189 <400> SEQUENCE: 12

RAW SEQUENCE LISTING DATE: 02/25/2005
PATENT APPLICATION: US/10/088,417A TIME: 10:21:29

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

190 Ile Thr Ile Arg Ala Leu Lys Cys Lys Asn Ala His Leu Lys Gln Glu
191 1 5 10 15
192 Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
193 20 25
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 28
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: synthetic peptides
203 <400> SEQUENCE: 13
204 Glu Ile Asp Ala Leu Glu Tyr Glu Asn Asp Ala Leu Glu Gln Lys Ile
205 1 5 10 15
206 Ala Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln
207 20 25
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 7
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: synthetic peptides
217 <400> SEQUENCE: 14
218 Leu Ala Ala Leu Ala Ala Ala
219 1 5
221 <210> SEQ ID NO: 15
222 <211> LENGTH: 43
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: synthetic peptides
229 <400> SEQUENCE: 15
230 Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln Glu Ile
231 1 5 10 15
232 Asp Ala Leu Glu Tyr Glu His His Asp Ala Leu Glu Gln Lys Ile Ala
233 20 25 30
234 Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln
235 35 40
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 42
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: synthetic peptides
245 <400> SEQUENCE: 16
246 Glu Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln Lys Ile
247 1 5 10 15
248 Arg Ala Leu Lys Ala Lys Gln Ala Lys Leu Lys Gln Glu Ile Ala Ala
249 20 25 30
250 Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln

RAW SEQUENCE LISTING DATE: 02/25/2005
PATENT APPLICATION: US/10/088,417A TIME: 10:21:29

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

251 35 40
253 <210> SEQ ID NO: 17
254 <211> LENGTH: 29
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: synthetic peptides
261 <400> SEQUENCE: 17
262 Glu Ile Asp Ala Leu Glu Tyr Glu Gln Asn Asp Ala Leu Glu Gln Lys
263 1 5 10 15
264 Ile Ala Ala Leu Lys Gln Lys Ile Ala Ser Leu Lys Gln
265 20 25
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 29
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: synthetic peptides
275 <400> SEQUENCE: 18
276 Lys Ile Arg Ala Leu Lys Ala Lys Phe Asn Ala His Leu Lys Gln Glu
277 1 5 10 15
278 Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Gln
279 20 25
281 <210> SEQ ID NO: 19
282 <211> LENGTH: 7
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: synthetic
W--> 289 <221> NAME/KEY: VARIANT
290 <222> LOCATION: (1)...(1)
291 <223> OTHER INFORMATION: lysine or glutamate
W--> 293 <221> VARIANT
294 <222> LOCATION: (2)...(2)
295 <223> OTHER INFORMATION: isoleucine or asparagine
W--> 297 <221> VARIANT
298 <222> LOCATION: (3)...(3)
299 <223> OTHER INFORMATION: alanine or arginine
W--> 301 <221> VARIANT
302 <222> LOCATION: (6)...(6)
303 <223> OTHER INFORMATION: lysine or glutamate
W--> 305 <221> VARIANT
306 <222> LOCATION: (7)...(7)
307 <223> OTHER INFORMATION: alanine, glutamine, or glutamate
W--> 309 <400> 19
W--> 310 Xaa Xaa Xaa Ala Leu Xaa Xaa
311 1 5
313 <210> SEQ ID NO: 20
314 <211> LENGTH: 28

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/088,417A

DATE: 02/25/2005
TIME: 10:21:30

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; Xaa Pos. 1, 2, 3, 6, 7
Seq#:20; Xaa Pos. 3, 4, 7, 10, 11, 14, 17, 18, 21, 24, 25, 28
Seq#:21; Xaa Pos. 3, 4, 7, 10, 11, 14, 17, 18, 21, 24, 25, 28

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/088,417A

DATE: 02/25/2005
TIME: 10:21:30

Input Set : A:\seqlst.txt
Output Set: N:\CRF4\02252005\J088417A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:289 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:297 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:305 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:309 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:321 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:327 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:339 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:345 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:351 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:363 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:369 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
M:341 Repeated in SeqNo=20
L:383 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:389 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:401 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:407 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:413 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:419 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:425 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:431 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21